

WHAT IS CLAIMED IS:

1. A method of providing communication service comprising:  
determining a first playback delay based on one or more network  
characteristics of a first network and one or more network characteristics of a second  
5 network;  
storing media received from the first network in a first buffer;  
playing media received from the first network after the media received from  
the first network has been stored in the first buffer an amount of time based on the  
first playback delay;  
10 detecting a handoff trigger;  
storing media received from the second network in a second buffer, in  
response to detecting the handoff trigger; and  
playing media received from the second network.
- 15 2. The method of Claim 1, wherein determining the playback delay  
comprises determining a playback delay based on a maximum jitter of the first  
network, a maximum jitter of the second network, a maximum delay of the second  
network, and a minimum delay of the first network.
- 20 3. The method of Claim 2, wherein playing media received from the  
second network comprises:  
determining a second playback delay based on the maximum jitter of the  
second network, the maximum jitter of the first network, a minimum delay of the  
second network and a maximum delay of the first network; and  
25 playing media received from the second network after the media received  
from the second network has been stored in the second buffer an amount of time  
based on the second playback delay.

4. The method of Claim 1, wherein determining the first playback delay comprises determining the first playback delay based on a greater of a maximum jitter of the first network and a sum of a maximum jitter of the second network and a maximum delay difference, wherein the maximum delay difference is equal to a difference between a maximum delay of the second network and a minimum delay of the first network.

5. The method of Claim 4, wherein playing media received from the second network comprises:

10 determining a second playback delay based on a greater of the maximum jitter of the second network and a difference between the maximum jitter of the first network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the second network and a maximum delay of the first network; and

15 playing media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on the second playback delay.

20 6. The method of Claim 1, wherein determining the first playback delay comprises determining the first playback delay based on a greater of a maximum jitter of the first network and a difference between a maximum jitter of the second network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the first network and a maximum delay of the second network.

7. A method of providing communication service comprising:

determining a first minimum delay based on one or more network characteristics of a first network and one or more network characteristics of a second network;

5 determining a first current delay for a first buffer, wherein the first current delay is greater than or equal to a first minimum delay;

storing media received from the first network in the first buffer;

playing media received from the first network after the media received from the first network has been stored in the first buffer an amount of time based on at least  
10 the first current delay;

detecting a handoff trigger; and

storing media received from the second network in a second buffer, in response to the handoff trigger, in response to detecting the handoff trigger; and

playing media received from the second network.

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8. The method of Claim 7, wherein playing media received from the first network comprises:

playing media received from the first network after the media received from the first network has been stored in the first buffer an amount of time based on at least  
20 the first current delay;

adjusting the first current delay based on one or more network characteristics of the first network, wherein the adjusted first current delay is greater than or equal to the first minimum delay; and

playing media received from the first network after the media received from  
25 the first network has been stored in the first buffer an amount of time based on at least the adjusted first current delay.

9. The method of Claim 7, wherein determining the first playback delay comprises determining the first minimum delay based on a low jitter value of the first  
30 network, a nominal jitter value of the second network, a maximum delay of the second network, and a minimum delay of the first network.

10. The method of Claim 9, wherein playing media received from the second network comprises:

determining a second minimum delay based on a low jitter value of the second network, a nominal jitter value of the first network, a minimum delay of the second network, and a maximum delay of the first network;

determining a second current delay for a second buffer, wherein the second current delay is greater than or equal to the second minimum delay; and

playing media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on the second current delay.

11. The method of Claim 7, wherein determining the first playback delay comprises determining the first minimum delay based on a greater of a low jitter value of the first network and a sum of a nominal jitter value of the second network and a maximum delay difference, wherein the maximum delay difference is equal to a difference between a maximum delay of the second network and a minimum delay of the first network.

12. The method of Claim 9, wherein playing media received from the second network comprises:

determining a second minimum delay based on a greater of a low jitter value of the second network and a difference between a nominal jitter value of the first network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the second network and a maximum delay of the first network;

determining a second current delay for a second buffer, wherein the second current delay is greater than or equal to the second minimum delay; and

playing media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on the second current delay.

13. The method of Claim 7, wherein determining the first playback delay comprises determining the first minimum delay based on a greater of a low jitter value of the first network and a difference between a nominal jitter value of the second network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the first network and a maximum delay of the second network.

14. A method of providing communication service comprising:

determining a first target delay based on one or more network characteristics of a first network and one or more network characteristics of a second network;

determining a first current delay for a first buffer, wherein the first current delay is greater than or equal to a low jitter value of the first network;

storing media received from the first network in the first buffer;

playing media received from the first network after the media received from the first network has been stored in the first buffer an amount of time based on at least the first current delay;

detecting a handoff trigger;

storing media received from the second network in a second buffer, in response to detecting the handoff trigger;

increasing the first current delay, if the first current delay is less than the first target delay;

playing media received from the first network after the media received from the first network has been stored in the first buffer an amount of time based on at least the increased first current delay;

detecting a handoff termination; and

playing media received from the second network, in response to detecting the handoff termination.

15. The method of Claim 14, wherein determining the first playback delay comprises determining the first target delay based on a low jitter value of the first network, a nominal jitter value of the second network, a maximum delay of the second network, and a minimum delay of the first network.

16. The method of Claim 14, wherein determining the first playback delay comprises determining the first target delay based on a greater of a low jitter value of the first network and a sum of a nominal jitter value of the second network and a maximum delay difference, wherein the maximum delay difference is equal to a difference between a maximum delay of the second network and a minimum delay of the first network.

17. The method of Claim 14, further comprising determining the first target delay based on a greater of the low jitter value of the first network and a difference between a nominal jitter value of the second network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the first network and a maximum delay of the second network.

18. The method of Claim 14, wherein playing media from the second network comprises:

10 determining a second current delay for the second buffer, wherein the second current delay is greater than or equal to a low jitter value of the second network;

playing media received from the second network, in response to detecting the handoff termination, after the media received from the second network has been stored in the second buffer an amount of time based on the second current delay;

15 detecting a second handoff trigger;

increasing the second current delay, if the second current delay is less than a second target delay, the second target delay based on a greater of the low jitter value of the second network and a difference between a nominal jitter value of the first network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the second network and a maximum delay of the first network;

20 playing media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on at least the increased second current delay;

25 detecting a second handoff termination; and

playing media received from the first network, in response to detecting the second handoff termination.

19. A device for providing communication service comprising:  
a first interface operable to receive media from a first network;  
a second interface operable to receive media from a second network;  
a first buffer operable to store media received from the first network;  
5 a second buffer operable to store media received from the second network;  
an output module operable to play media; and  
a processor operable to:

determine a first playback delay based on one or more network  
characteristics of the first network and one or more network characteristics of the  
10 second network;

store media received from the first network in the first buffer;  
play media received from the first network, using the output module,  
after the media received from the first network has been stored in the first buffer an  
amount of time based on at least the first playback delay;

15 detect a handoff trigger;  
store media received from the second network in the second buffer, in  
response to detecting the handoff trigger; and  
play media received from the second network.

20 20. The device of Claim 19, wherein the processor is further operable to  
determine the first playback delay based on a maximum jitter of the first network, a  
maximum jitter of the second network, a maximum delay of the second network, and  
a minimum delay of the first network.

25 21. The device of Claim 20, wherein the processor is further operable to  
play media received from the second network by:

determining a second playback delay based on the maximum jitter of the  
second network, the maximum jitter of the first network, a minimum delay of the  
second network, and a maximum delay of the first network;

30 play media received from the second network after the media received from  
the second network has been stored in the second buffer an amount of time based on a  
second playback delay.



22. The device of Claim 19, wherein the processor is further operable to determine the first playback delay based on a greater of a maximum jitter of the first network and a sum of a maximum jitter of the second network and a maximum delay difference, wherein the maximum delay difference is equal to a difference between a maximum delay of the second network and a minimum delay of the first network.

23. The device of Claim 22, wherein the processor is further operable to play media received from the second network by:

10 determining a second playback delay based on a greater of the maximum jitter of the second network and a difference between the maximum jitter of the first network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the second network and a maximum delay of the first network;

15 play media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on a second playback delay.

24. The device of Claim 19, wherein the processor is further operable to determine the first playback delay based on a greater of a maximum jitter of the first network and a difference between a maximum jitter of the second network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the first network and a maximum delay of the second network.

25. A device for providing communication service comprising:  
a first interface, operable to receive media from a first network;  
a second interface, operable to receive media from a second network;  
a first buffer, operable to store media received from the first network;  
5 a second buffer, operable to store media received from the second network;  
an output module, operable to play media; and  
a processor operable to:

determine a first minimum delay based on one or more network  
characteristics of the first network and one or more network characteristics of the  
10 second network;

determine a first current delay for the first buffer, wherein the first  
current delay is greater than or equal to the first minimum delay;

store media received from the first network in the first buffer;

play media received from the first network, using the output module,  
15 after the media received from the first network has been stored in the first buffer an  
amount of time based on at least the first current delay;

detect a handoff trigger;

store media received from the second network in the second buffer, in  
response to the handoff trigger; and

20 play media received from the second network.

26. The device of Claim 25, wherein the processor is further operable to  
play media received from the first network by:

playing media received from the first network after the media received from  
25 the first network has been stored in the first buffer an amount of time based on at least  
the first current delay;

adjusting the first current delay based on one or more network characteristics  
of the first network, wherein the adjusted first current delay is greater than or equal to  
the first minimum delay; and

30 playing media received from the first network after the media received from  
the first network has been stored in the first buffer an amount of time based on at least  
the adjusted first current delay.

27. The device of Claim 25, wherein the processor is further operable to determine the first minimum delay by determining the first minimum delay based on a low jitter value of the first network, a nominal jitter value of the second network, a maximum delay of the second network, and a minimum delay of the first network.

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28. The device of Claim 27, wherein the processor is further operable to play media received from the second network by:

determining a second minimum delay based on a low jitter value of the second network, a nominal jitter value of the first network, a minimum delay of the second network, and a maximum delay of the first network;

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determining a second current delay for the second buffer, wherein the second current delay is greater than or equal to the second minimum delay; and

play media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on the second current delay.

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29. The device of Claim 25, wherein the processor is further operable to determine the first minimum delay by determining the first minimum delay based on a greater of a low jitter value of the first network and a sum of a nominal jitter value of the second network and a maximum delay difference, wherein the maximum delay difference is equal to a difference between a maximum delay of the second network and a minimum delay of the first network.

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30. The device of Claim 29, wherein the processor is further operable to play media received from the second network by:

determining a second minimum delay based on a greater of a low jitter value of the second network and a difference between a nominal jitter value of the first network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the second network and a maximum delay of the first network;

determining a second current delay for the second buffer, wherein the second current delay is greater than or equal to the second minimum delay; and

play media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on the second current delay.

31. The device of Claim 25, wherein the processor is further operable to determine the first minimum delay by determining the first minimum delay based on a greater of a low jitter value of the first network and a difference between a nominal jitter value of the second network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the first network and a maximum delay of the second network.

32. A device for providing communication service comprising:  
a first interface, operable to receive media from a first network;  
a second interface, operable to receive media from a second network;  
a first buffer, operable to store media received from the first network;  
5 a second buffer, operable to store media received from the second network;  
an output module, operable to play media; and  
a processor, operable to:

10 determine a first target delay based on one or more network  
characteristics of the first network and one or more network characteristics of the  
second network;

determine a first current delay for the first buffer, wherein the first  
current delay is greater than or equal to a low jitter value of the first network;

store media received from the first network in the first buffer;  
play media received from the first network after the media received  
15 from the first network has been stored in the first buffer an amount of time based on at  
least the first current delay;

detect a handoff trigger;  
store media received from the second network in the second buffer, in  
response to the handoff trigger;

20 increase the first current delay, if the first current delay is less than a  
first target delay,

play media received from the first network after the media received  
from the first network has been stored in the first buffer an amount of time based on at  
least the increased first current delay;

25 detect a handoff termination; and  
play media received from the second network, in response to detecting  
the handoff termination, after the media received from the second network has been  
stored in the second buffer an amount of time based on the second current delay.

33. The device of Claim 32, wherein the processor is further operable to determine the first target delay based on the low jitter value of the first network, a nominal jitter value of the second network, a maximum delay of the second network, and a minimum delay of the first network.

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34. The device of Claim 32, wherein the processor is further operable to determine the first target delay based on a greater of the low jitter value of the first network and a sum of a nominal jitter value of the second network and a maximum delay difference, wherein the maximum delay difference is equal to a difference between a maximum delay of the second network and a minimum delay of the first network.

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35. The device of Claim 32, wherein the processor is further operable to determine the first target delay based on a greater of the low jitter value of the first network and a difference between a nominal jitter value of the second network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the first network and a maximum delay of the second network.

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36. The device of Claim 32, wherein the processor is further operable to:  
determine a second current delay for the second buffer, wherein the second  
current delay is greater than or equal to a low jitter value of the second network;  
play media received from the second network, in response to detecting the  
5 handoff termination, after the media received from the second network has been  
stored in the second buffer an amount of time based on the second current delay;  
detect a second handoff trigger;  
increase the second current delay, if the second current delay is less than a  
second target delay, the second target delay based on a greater of the low jitter value  
10 of the second network and a difference between a nominal jitter value of the first  
network and a minimum delay difference, wherein the minimum delay difference is  
equal to a difference between a minimum delay of the second network and a  
maximum delay of the first network;  
play media received from the second network after the media received from  
15 the second network has been stored in the second buffer an amount of time based on  
at least the increased second current delay;  
detect a second handoff termination; and  
play media received from the first network, in response to detecting the second  
handoff termination.

37. Logic for providing telecommunication service, the logic encoded in media and operable when executed to perform the steps of:

determining a first playback delay based on one or more network characteristics of a first network and one or more network characteristics of a second network;

storing media received from the first network in a first buffer;

playing media received from the first network after the media received from the first network has been stored in the first buffer an amount of time based on at least the first playback delay;

detecting a handoff trigger;

storing media received from the second network in a second buffer, in response to detecting the handoff trigger; and

playing media received from the second network.

38. The logic of Claim 37, wherein the logic is further operable to determine the first playback delay based on a maximum jitter of the first network, a maximum jitter of the second network, a maximum delay of the second network, and a minimum delay of the first network.

39. The logic of Claim 38, wherein the logic is further operable to play media received from the second network by:

determining a second playback delay based on the maximum jitter of the second network, the maximum jitter of the first network, a minimum delay of the second network, and a maximum delay of the first network; and

playing media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on a second playback delay.



40. The logic of Claim 37, wherein the logic is further operable to determine the first playback delay based on a greater of a maximum jitter of the first network and a sum of a maximum jitter of the second network and a maximum delay difference, wherein the maximum delay difference is equal to a difference between a maximum delay of the second network and a minimum delay of the first network.

41. The logic of Claim 40, wherein the logic is further operable to play media received from the second network by:

determining a second playback delay based on a greater of the maximum jitter of the second network and a difference between the maximum jitter of the first network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the second network and a maximum delay of the first network; and

playing media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on a second playback delay.

42. The logic of Claim 37, wherein the logic is further operable to determine the first playback delay based on a greater of a maximum jitter of the first network and a difference between the maximum jitter of the second network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the first network and a maximum delay of the second network.

43. Logic for providing telecommunication service, the logic encoded in media and operable when executed to perform the steps of:

determining a first minimum delay based on one or more network characteristics of a first network and one or more network characteristics of a second network;

determining a first current delay for a first buffer, the first current delay greater than or equal to the first minimum delay;

storing media received from the first network in the first buffer;

playing media received from the first network after the media received from the first network has been stored in the first buffer an amount of time based on at least the first current delay;

detecting a handoff trigger;

storing media received from the second network in a second buffer, in response to detecting the handoff trigger; and

playing media received from the second network.

44. The logic of Claim 43, wherein the logic is further operable to play media received from the first network by:

playing media received from the first network after the media received from the first network has been stored in the first buffer an amount of time based on at least the first current delay;

adjusting the first current delay based on one or more network characteristics of the first network, wherein the adjusted first current delay is greater than or equal to the first minimum delay; and

playing media received from the first network after the media received from the first network has been stored in the first buffer an amount of time based on at least the adjusted first current delay.

45. The logic of Claim 43, wherein the logic is further operable to determine the first minimum delay by determining the first minimum delay based on a low jitter value of the first network, a nominal jitter value of the second network, a maximum delay of the second network, and a minimum delay of the first network.

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46. The logic of Claim 45, wherein the logic is further operable to play media received from the second network by:

determining a second minimum delay based on a low jitter value of the second network, a nominal jitter value of the first network, a minimum delay of the second network, and a maximum delay of the first network;

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determining a second current delay for the second buffer, wherein the second current delay is greater than or equal to the second minimum delay; and

playing media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on the second current delay.

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47. The logic of Claim 43, wherein the logic is further operable to determine the first minimum delay by determining the first minimum delay based on a greater of the low jitter value of the first network and a sum of a nominal jitter value of the second network and a maximum delay difference, wherein the maximum delay difference is equal to a difference between a maximum delay of the second network and a minimum delay of the first network.

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48. The logic of Claim 47, wherein the logic is further operable to play media received from the second network by:

determining a second minimum delay based on a greater of a low jitter value of the second network and a difference between a nominal jitter value of the first network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the second network and a maximum delay of the first network;

determining a second current delay for the second buffer, wherein the second current delay is greater than or equal to the second minimum delay; and

playing media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on the second current delay.

49. The logic of Claim 43, wherein the logic is further operable to determine the first minimum delay by determining the first minimum delay based on a greater of a low jitter value of the first network and a difference between a nominal jitter value of the second network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the first network and a maximum delay of the second network.

50. Logic for providing telecommunication service, the logic encoded in media and operable when executed to perform the steps of:

determining a first target delay based on one or more network characteristics of a first network and one or more network characteristics of a second network;

5 determining a first current delay for a first buffer, wherein the first current delay is greater than or equal to a low jitter value of the first network;

storing media received from the first network in the first buffer;

playing media received from the first network after the media received from the first network has been stored in the first buffer an amount of time based on at least  
10 the first current delay;

detecting a handoff trigger;

storing media received from the second network in a second buffer, in response to detecting the handoff trigger;

15 increasing the first current delay, if the first current delay is less than the first target delay;

playing media received from the first network after the media received from the first network has been stored in the first buffer an amount of time based on at least the increased first current delay;

detecting a handoff termination; and

20 playing media received from the second network, in response to detecting the handoff termination.

51. The logic of Claim 50, wherein the logic is further operable to determine the first target delay based on the low jitter value of the first network, a  
25 nominal jitter value of the second network, a maximum delay of the second network, and a minimum delay of the first network.

52. The logic of Claim 50, wherein the logic is further operable to determine the first target delay based on a greater of the low jitter value of the first network and a sum of a nominal jitter value of the second network and a maximum delay difference, wherein the maximum delay difference is equal to a difference  
5 between a maximum delay of the second network and a minimum delay of the first network.

53. The logic of Claim 50, wherein the logic is further operable to determine the first target delay based on a greater of the low jitter value of the first  
10 network and a difference between a nominal jitter value of the second network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the first network and a maximum delay of the second network.

54. The logic of Claim 50, wherein the logic is further operable to play media received from the second network by:

determining a second current delay for the second buffer, wherein the second current delay is greater than or equal to a low jitter value of the second network;

5 playing media received from the second network, in response to detecting the handoff termination, after the media received from the second network has been stored in the second buffer an amount of time based on the second current delay;

detecting a second handoff trigger;

10 increasing the second current delay, if the second current delay is less than a second target delay, the second target delay based on a greater of the low jitter value of the second network and a difference between a nominal jitter value of the first network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the second network and a maximum delay of the first network;

15 playing media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on at least the increased second current delay;

detecting a second handoff termination; and

20 playing media received from the first network, in response to detecting the second handoff termination.

55. A system for providing communication service comprising:  
a first network, operable to transmit media to a mobile station;  
a second network, operable to transmit media to a mobile station; and  
a communication device, operable to:

5                   determine a first playback delay based on one or more network  
characteristics of the first network and one or more network characteristics of the  
second network;  
                    store media received from the first network in a first buffer;  
                    play media received from the first network after the media received  
10                  from the first network has been stored in the first buffer an amount of time based on at  
least the first playback delay;  
                    detecting a handoff trigger;  
                    storing media received from the second network in a second buffer, in  
response to detecting the handoff trigger; and  
15                  playing media received from the second network.

56. The system of Claim 55, wherein the communication device is further  
operable to determine the first playback delay based on a maximum jitter of the first  
network, a maximum jitter of the second network, a maximum delay of the second  
20                  network, and a minimum delay of the first network.

57. The system of Claim 56, wherein the communication device is further  
operable to play media received from the second network by:  
                    determining a second playback delay based on the maximum jitter of the  
25                  second network, the maximum jitter of the first network, a minimum delay of the  
second network, and a maximum delay of the first network; and  
                    playing media received from the second network after the media received  
from the second network has been stored in the second buffer an amount of time  
based on a second playback delay.



58. The system of Claim 55, wherein the communication device is further operable to determine the first playback delay based on a greater of the maximum jitter of the first network and a sum of the maximum jitter of the second network and a maximum delay difference, wherein the maximum delay difference is equal to a difference between a maximum delay of the second network and a minimum delay of the first network.

59. The system of Claim 58, wherein the communication device is further operable to play media received from the second network by:

determining a second playback delay based on a greater of the maximum jitter of the second network and a difference between the maximum jitter of the first network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the second network and a maximum delay of the first network; and

playing media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on a second playback delay.

60. The system of Claim 55, wherein the communication device is further operable to determine the first playback delay based on a greater of a maximum jitter of the first network and a difference between the maximum jitter of the second network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the first network and a maximum delay of the second network.

61. A system for providing communication service comprising:  
a first network, operable to transmit media to a mobile station;  
a second network, operable to transmit media to a mobile station; and  
a communication device, operable to:

- 5                   determine a first minimum delay based on one or more network  
characteristics of the first network and one or more network characteristics of the  
second network;  
                    determine a first current delay for a first buffer, the first current delay  
greater than or equal to the first minimum delay;  
10                   store media received from the first network in the first buffer;  
                    play media received from the first network after the media received  
from the first network has been stored in the first buffer an amount of time based on at  
least the first current delay;  
                    detect a handoff trigger;  
15                   store media received from the second network in the second buffer, in  
response to detecting the handoff trigger; and  
                    play media received from the second network.

62. The system of Claim 61, wherein the communication device is further  
20 operable to play media received from the first network by:  
                    playing media received from the first network after the media received from  
the first network has been stored in the first buffer an amount of time based on at least  
the first current delay;  
                    adjusting the first current delay based on one or more network characteristics  
25 of the first network, wherein the adjusted first current delay is greater than or equal to  
the first minimum delay; and  
                    playing media received from the first network after the media received from  
the first network has been stored in the first buffer an amount of time based on at least  
the adjusted first current delay.

5       63.     The system of Claim 61, wherein the communication device is further operable to determine the first minimum delay by determining the first minimum delay based on a low jitter value of the first network, a nominal jitter value of the second network, a maximum delay of the second network, and a minimum delay of the first network.

      64.     The system of Claim 63, wherein the communication device is further operable to play media received from the second network by:

10       determining a second minimum delay based on a low jitter value of the second network, a nominal jitter value of the first network, a minimum delay of the second network, and a maximum delay of the first network;

      determining a second current delay for a second buffer, wherein the second current delay is greater than or equal to the second minimum delay; and

15       playing media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on the second current delay.

20       65.     The system of Claim 61, wherein the communication device is further operable to determine the first minimum delay by determining the first minimum delay based on a greater of the low jitter value of the first network and a sum of a nominal jitter value of the second network and a maximum delay difference, wherein the maximum delay difference is equal to a difference between a maximum delay of the second network and a minimum delay of the first network.

66. The system of Claim 65, wherein the communication device is further operable to play media received from the second network by:

determining a second minimum delay based on a greater of a low jitter value of the second network and a difference between a nominal jitter value of the first network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the second network and a maximum delay of the first network;

determining a second current delay for a second buffer, wherein the second current delay is greater than or equal to the second minimum delay; and

playing media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on the second current delay.

67. The system of Claim 61, wherein the communication device is further operable to determine the first minimum delay by determining the first minimum delay based on a greater of a low jitter value of the first network and a difference between a nominal jitter value of the second network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the first network and a maximum delay of the second network.

68. A system for providing communication service comprising:  
a first network, operable to transmit media to a mobile station;  
a second network, operable to transmit media to a mobile station; and  
a communication device, operable to:

5                   determine a first target delay based on one or more network  
characteristics of the first network and one or more network characteristics of the  
second network;

                  determine a first current delay for a first buffer, wherein the first  
current delay is greater than or equal to a low jitter value of the first network;

10                   store media received from the first network in the first buffer;  
                  play media received from the first network after the media received  
from the first network has been stored in the first buffer an amount of time based on at  
least the first current delay;

                  detect a handoff trigger;

15                   store media received from the second network in the second buffer, in  
response to detecting the handoff trigger;;

                  increase the first current delay, if the first current delay is less than a  
first target delay;

20                   play media received from the first network after the media received  
from the first network has been stored in the first buffer an amount of time based on at  
least the increased first current delay;

                  detect a handoff termination; and

                  play media received from the second network, in response to detecting  
the handoff termination.

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69. The system of Claim 68, wherein the communication device is further  
operable to determine the first target delay based on the low jitter value of the first  
network, a nominal jitter value of the second network, a maximum delay of the  
second network, and a minimum delay of the first network.

70. The system of Claim 68, wherein the communication device is further operable to determine the first target delay based on a greater of the low jitter value of the first network and a sum of a nominal jitter value of the second network and a maximum delay difference, wherein the maximum delay difference is equal to a difference between a maximum delay of the second network and a minimum delay of the first network.

71. The system of Claim 68, wherein the communication device is further operable to determine the first target delay based on a greater of the low jitter value of the first network and a difference between a nominal jitter value of the second network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the first network and a maximum delay of the second network.

72. The system of Claim 68, wherein the communication device is further operable to play media received from the second network by:

determining a second current delay for the second buffer, wherein the second current delay is greater than or equal to a low jitter value of the second network;

5        playing media received from the second network, in response to detecting the handoff termination, after the media received from the second network has been stored in the second buffer an amount of time based on the second current delay;

detecting a second handoff trigger;

10        increasing the second current delay, if the second current delay is less than a second target delay, the second target delay based on a greater of the low jitter value of the second network and a difference between a nominal jitter value of the first network and a minimum delay difference, wherein the minimum delay difference is equal to a difference between a minimum delay of the second network and a maximum delay of the first network;

15        playing media received from the second network after the media received from the second network has been stored in the second buffer an amount of time based on at least the increased second current delay;

detecting a second handoff termination; and

20        playing media received from the first network, in response to detecting the second handoff termination.

73. A system for providing communication service comprising:

means for determining a first playback delay based on one or more network characteristics of a first network and one or more network characteristics of a second network;

5 means for storing media received from the first network in a first buffer;

means for playing media received from the first network after the media received from the first network has been stored in the first buffer an amount of time based on the first playback delay;

means for detecting a handoff trigger;

10 means for storing media received from the second network in a second buffer in response to detecting the handoff trigger; and

means for playing media received from the second network.



74. A system for providing communication service comprising:

means for determining a first minimum delay based on one or more network characteristics of a first network and one or more network characteristics of a second network;

5 means for determining a first current delay for a first buffer, wherein the first current delay is greater than or equal to a first minimum delay;

means for storing media received from the first network in the first buffer;

means for playing media received from the first network after the media received from the first network has been stored in the first buffer an amount of time  
10 based on at least the first current delay;

means for detecting a handoff trigger;

means for storing media received from the second network in a second buffer ,  
in response to detecting the handoff trigger;

means for playing media received from the second network.

75. A method of providing communication service comprising:

means for determining a first target delay based on one or more network characteristics of a first network and one or more network characteristics of a second network;

5 means for determining a first current delay for a first buffer, wherein the first current delay is greater than or equal to a low jitter value of the first network;

means for storing media received from the first network in the first buffer;

means for playing media received from the first network after the media received from the first network has been stored in the first buffer an amount of time  
10 based on at least the first current delay;

means for storing media received from the second network in a second buffer;

means for detecting a handoff trigger;

means for increasing the first current delay, if the first current delay is less than the first target delay;

15 means for playing media received from the first network after the media received from the first network has been stored in the first buffer an amount of time based on at least the increased first current delay;

means for detecting a handoff termination; and

20 means for playing media received from the second network, in response to detecting the handoff termination.